```java
import java.util.Scanner;
class Student{
    private String usn;
    private String name;
    private int[] credits = new int[5];
    private int[] marks = new int[5];

    void getDetails(){
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter Student usn");
        usn = sc.next();
        System.out.println("Enter Student name");
        name = sc.next();
        System.out.println("Enter credits followed by marks for 5 subjects:");
        for(int i = 0; i < 5; i++){
            credits[i] = sc.nextInt();
            marks[i] = sc.nextInt();
        }
    }

    void printDetails(){
        System.out.println("-----Student details-----");
        System.out.println("Name: " + name +"\t"+ " usn: " + usn);
        for(int i = 0; i < 5; i++){
```

```java
26            System.out.println("Sub" + (i+1) + " Marks is: " + marks[i] +"\t"+ " Credit is: " +
              credits[i]);
27        }
28    }
29
30
31    void sgpaCaculation(){
32        double sgpa;
33        int[] gpcr = new int[5];
34        int credSum = 0, gp,sgpacr=0;
35        for(int i = 0; i < 5; i++){
36            credSum += credits[i];
37            if (marks[i] >= 90){
38                gp = 10;
39            }
40            else if(marks[i] >= 80){
41                gp = 9;
42            }
43            else if(marks[i] >= 70){
44                gp = 8;
45            }
46            else if(marks[i] >= 60){
47                gp = 7;
48            }
49            else if(marks[i] >= 50){
```

```java
        else if(marks[i] >= 50){
            gp = 5;
        }
        else if(marks[i] >= 40){
            gp = 4;
        }
        else{
            gp = 0;
        }
        gpcr[i] =  gp * credits[i];
        sgpacr+=gpcr[i] ;
    }

    System.out.println("Student's sgpa is: " + (sgpacr)/(credSum));
    }
}


public class Main {
    public static void main(String[] args){
        Student s1 = new Student();
        s1.getDetails();
        s1.printDetails();
        s1.sgpaCaculation();
    }
}
```

Command Prompt

```
Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\MEGHA>cd desktop\java

C:\Users\MEGHA\Desktop\java>javac Main.java

C:\Users\MEGHA\Desktop\java>java Main
Enter Student usn
1BM19CS087
Enter Student name
MITHUNRK
Enter credits followed by marks for 5 subjects:
4 90
 4 90
3 90
4 90
3 90
-----Student details-----
Name: MITHUNRK    usn: 1BM19CS087
Sub1 Marks is: 90          Credit is: 4
Sub2 Marks is: 90          Credit is: 4
Sub3 Marks is: 90          Credit is: 3
Sub4 Marks is: 90          Credit is: 4
Sub5 Marks is: 90          Credit is: 3
Student's sgpa is: 10

C:\Users\MEGHA\Desktop\java>
```